

8. The dichroic polarizer of any of the claim 3, wherein at least one coating reflecting electromagnetic radiation, is made of metal.

9. The dichroic polarizer of any of the claim 2, wherein at least on coating reflecting electromagnetic radiation is made of multilayer dielectric mirror of the interchanged layers of materials with high and low refraction coefficients.

10. The dichroic polarizer of any of the claim 3, wherein at least one coating reflecting electromagnetic radiation is made of multilayer dielectric mirror of the interchanged layers of materials with high and low refraction coefficients.

11. The dichroic polarizer of any of the claim 2, wherein the layer dichroically absorbing electromagnetic radiation is made of an oriented layer of at least one dichroic dye applied from the lyotropic liquid crystalline state.

12. The dichroic polarizer of any of the claim 3, wherein the layer dichroically absorbing electromagnetic radiation is made of an oriented layer of at least one dichroic dye applied from the lyotropic liquid crystalline state.

13. The dichroic polarizer of any of the claim 4, wherein the layer dichroically absorbing electromagnetic radiation is made of an oriented layer of at least one dichroic dye applied from the lyotropic liquid crystalline state.

14. The dichroic polarizer of any of the claim 5, wherein the layer dichroically absorbing electromagnetic radiation is made of an oriented layer of at least one dichroic dye applied from the lyotropic liquid crystalline state.

15. The dichroic polarizer of any of the claim 7, wherein the layer dichroically absorbing electromagnetic radiation is made of an oriented layer of at least


one dichroic dye applied from the lyotropic liquid crystalline state.

16. The dichroic polarizer of any of the claim 8, wherein the layer dichroically absorbing electromagnetic radiation is made of an oriented layer of at least one dichroic dye applied from the lyotropic liquid crystalline state.

17. The dichroic polarizer of any of the claim 9, wherein the layer dichroically absorbing electromagnetic radiation is made of an oriented layer of at least one dichroic dye applied from the lyotropic liquid crystalline state.

18. The dichroic polarizer of any of the claim 10, wherein the layer dichroically absorbing electromagnetic radiation is made of an oriented layer of at least one dichroic dye applied from the lyotropic liquid crystalline state.

Respectfully submitted,



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